

Title (en)

Synchronization for data transfer between physical layers

Title (de)

Synchronisierung für den Datentransfer zwischen physikalischen Schichten

Title (fr)

Synchronisation pour le transfert de données entre couches physiques

Publication

EP 2416508 A2 20120208 (EN)

Application

EP 11174807 A 20110721

Priority

US 84917410 A 20100803

Abstract (en)

Various embodiments relate to a system and related method that enable transfer of control and data messages in a wireless communication network between devices operating on different physical layers (PHY). Control data and/or isochronous data and/or asynchronous data may be transferred between devices that operate on different physical layers through a bridging device, while minimizing latency and buffering. The bridging device may contain interfaces that may operate on each of the respective physical layers. A first interface may receive a first superframe from a device in a first physical layer (PHY1) and may generate an equivalent second superframe to transmit to a second device on a second physical layer (PHY2). The bridging device may also synchronize the time slots and reference clocks for communication protocols on each physical layer to further minimize latency and buffering during the transfer of control and data messages via communication frames within these superframes.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

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BA ME

DOCDB simple family (publication)

EP 2416508 A2 20120208; **EP 2416508 A3 20150506**; **EP 2416508 A8 20120404**; US 2012033620 A1 20120209

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